production of crude oil, besides efforts towards demand management and the measures taken for conservation of petroleum products:

—Intensification of exploration which may eventually lead to enhanced production.

—Use of enhanced oil recovery techniques.

—Induction of advanced technology.

Performance of different State Electricity Boards

2842. SHRI ASHWANI KUMAR:
SHRI PRAMOD MAHAJAN:

Will the Minister of ENERGY be pleased to state:

(a) the State-wise comparative details of plant load factor, quantum of electricity generated/distributed and also of the consumption of major inputs like coal/oil in rupee per unit in electricity generation during each of the last three years and so far in the current year;

(b) whether there is substantial difference in the performance of Different State Electricity Boards, if so, what are the reasons therefor in each case; and

(c) the steps taken by State Electricity Boards having poor performance and with what results?

THE MINISTER OF STATE IN THE DEPARTMENT OF POWER IN THE MINISTRY OF ENERGY (SHRI KALPNATH RAI): (a) The required information is given in Annexure. [*See* Appendix CXLIX, Annexure No. 159].

(b) The performance of different Electricity Boards in respect of generation generally depends on various factors such as quality of coal, system load management, operation and maintenance practices, adequately trained operation and maintenance personnel, spares management, industrial relations, etc.

(c) Some of the measures taken to improve the performance of State Electricity Boards are:—

(i) Directions have been issued to State Electricity Boards for capitalisation of interest during construction (IDC), as provided in the Electricity (Supply) Annual Accounts Rules, 1985.

(ii) State Governments have been requested to provide equity support to State Electricity Boards to make them financially viable.

(iii) State Governments are being advised to release rural electrification subsidies to SEBs regularly and adequately.

(iv) A Centrally sponsored Scheme for Renovation and Modernisation of thermal power stations has been introduced.

(v) Theft of power has been made a cognizable offence with stringent punishment for the commitment as well as abetment of the offence.

(vi) Introduction of an Incentive Scheme for reduction of transmission and distribution losses.

(vii) Training of engineers and operation and maintenance personnel of power stations.

(viii) Provision of equity support by State Governments.

Development of coal resources in Andhra Pradesh

2843. SHRI PRABHAKAR RAO KALVALA: Will the Minister of ENERGY be pleased to state:

(a) whether there is any proposal under Government's consideration for the development of coal resources in Andhra Pradesh during 1989-90; and

(b) if so, what are the details thereof and what steps have been taken by Government so far or proposed to be taken in this regard?

THE MINISTER OF ENERGY (SHRI VASANT SATHE): (a) and (b) Coal production in Singareni Collieries Company Limited is expected to be about 21.50 million tonnes in 1989-90. According to projections made, this is expected to go up to 33.59 million tonnes in 1994-95. The contribution of existing mines, sanctioned projects and new projects will be as below:—

	(m.t.)
Existing mines . . .	13.08
Sanctioned projects . .	13.22
New Projects . .	7.29
	33.59

Expenditure Incurred in Purchasing Machines by Coal India Limited

2844. SHRI SAMAR MUKHERJEE: Will the Minister of ENERGY be pleased to state:

(a) what was the amount spent in purchasing machines by the Coal India Limited for three years till 31st March, 1988 with company-wise break-up;

(b) what was the capacity utilisation of the major machines to the Pay loader, dumper, dozer, dragline during the last three years with company-wise and year-wise break-up;

(c) what was the cost of production per tonne of coal due to mechanisation for the same period;

(d) whether the increase in productivity attributable to the machines and the benefits accrued justified the cost; and

(e) what are the details thereof till 31st March, 1988?

THE MINISTER OF ENERGY (SHRI VASANT SATHE): (a) The investment made by Coal India Ltd. in plant and machinery during 1985-86, 1986-87 and 1987.88, subsidiary wise is as follows:—

(Rs. in crores)

Company	1985-86	1986-87	1987-88
ECL	82.98	70.96	81.77
BCCL	99.25	103.72	124.92
CCL	197.66	107.33	81.33
WCL	212.21	70.70	71.42
NCL	..	127.96	96.29
SECL	..	111.23	132.88
CMPDIL	3.46	1.93	7.19
CIL	3.55	1.67	2.68
Total CIL	599.11	595.50	598.48